ANALYST:		VPDES NO	

Meter:_____

Parameter: Dissolved Oxygen
Method: Membrane Electrode
Facility Elevation ’
1/08

METHOD OF ANALYSIS:

	18th Edition of Standard Methods – 4500-O G
	21st or Online Editions of Standard Methods – 4500-O G (01)

	DO is a method-defined analyte so modifications are not allowed. [40 CFR Part 136.6]	**Y**	**N**
1)	If samples are collected, is collection carried out with a minimum of turbulence and air bubble formation and is the sample bottle allowed to overflow several times its volume? [1.c]		
2)	Are meter and electrode operable and providing consistent readings? [3]		
3)	Is membrane in good condition without trapped air bubbles? [3.b]		
4)	Is correct filling solution used in electrode? [Mfr.]		
5)	Are water droplets shaken off the membrane prior to calibration? [Mfr.]		
6)	Is meter calibrated before use or at least daily? [Mfr. & Part 1020]		
7)	Is calibration procedure performed according to manufacturer’s instructions? [Mfr.]		
8)	Is sample stirred during analysis? [Mfr.]		
9)	Is the sample analysis procedure performed according to manufacturer’s instructions? [Mfr.]		
10)	Is meter stabilized before reading D.O.? [Mfr.]		
11)	Is electrode stored according to manufacturer’s instructions? [Mfr.]		
12)	Is a duplicate sample analyzed after every 20 samples if citing 18th or 19th Edition or daily if citing 20th or 21st Edition? [Part 1020] **NOTE**: Not required for *in situ* samples.		
13)	If a duplicate sample is analyzed, is the reported value for that sampling event the average concentration of the sample and the duplicate? [DEQ]		
14)	If a duplicate sample is analyzed, is the relative percent difference (RPD) ≤ 20? [18th ed. Table 1020 I; 21st ed. DEQ]		

PROBLEMS: